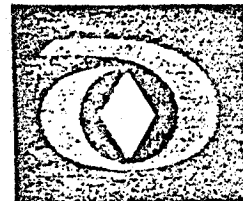


Diamond Shamrock

Material Safety Data Sheet



Product Name: CHROMIC ACID

| | | |
|---------------|---------------------------------|---------------------|
| CHEMICAL NAME | Chromic Trioxide | EMERGENCY PHONE NO. |
| SYNONYMS | Chromic Acid, Chromic Anhydride | DATE FORM ISSUED |
| FORMULA | CrO ₃ | |

I. HAZARDOUS INGREDIENTS

| MATERIAL | TLV(UNITS) | % | MATERIAL | TLV (UNITS) | % |
|------------------|-----------------------|-----|----------|-------------|---|
| CrO ₃ | 0.1 mg/m ³ | 100 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

II. PHYSICAL DATA

| | | | |
|--|---------------------------------|---|----------------|
| BOILING POINT 60 mm Hg | Not applicable | FREEZING POINT | Not applicable |
| SPECIFIC GRAVITY (d_4^{20}) = 1 | 2.7 @ 20° C | VAPOR PRESSURE AT 20° C | Not applicable |
| VAPOR DENSITY (AIR = 1) | Not applicable | SOLUBILITY IN WATER % BY WT. AT 20°C | Appreciable |
| PERCENT VOLATILES BY VOLUME | None | EVAPORATION RATE (BUTYL ACETATE = 1) | Not applicable |
| APPEARANCE | Dark Red Solid Flakes or Powder | ODOR | None |

III. FIRE AND EXPLOSION HAZARD DATA

| | | | |
|--|---|---|-------------------------|
| FLASH POINT (TEST METHOD) | Not applicable | FLAMMABLE LIMITS IN AIR (% BY VOLUME) | Upper Not applicable |
| AUTOIGNITION TEMPERATURE | Is Not Combustible | | Lower Not applicable |
| EXTINGUISHING MEDIA | CHROMIC ACID is not combustible. Water, CO ₂ or Dry chemical fire fighting agents are all safe to use on fires in areas where this material is stored. | | |
| SPECIAL FIREFIGHTING PROCEDURES | None | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Chromic Acid is not combustible, but may ignite oxidizable substances. | | |

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BOE-C6-0227524